

Title (en)
WIND TURBINE SYSTEM COMPRISING A YAW DRIVE AND METHOD

Title (de)
WINDTURBINENSYSTEM MIT GIERANTRIEB UND VERFAHREN

Title (fr)
SYSTÈME D'ÉOLIENNE COMPRENANT UN SYSTÈME D'ENTRAÎNEMENT EN LACET ET PROCÉDÉ

Publication
EP 4050209 B1 20240403 (EN)

Application
EP 22157478 A 20220218

Priority
JP 2021028675 A 20210225

Abstract (en)
[origin: EP4050209A1] A wind turbine system (1) includes: a ring gear (110); a yaw drive unit (120) including a pinion gear (230) meshing with the ring gear (110), the yaw drive unit (120) being configured to rotate the pinion gear (230); a yaw brake unit (130, 140) configured to generate a braking force for inhibiting rotation of the ring gear (110); a load information acquiring unit (310) configured to acquire an external load applied to the ring gear (110); and a control unit (320) configured to release the braking force of the yaw brake unit (130, 140) when a rotational torque generated on the ring gear (110) by the yaw drive unit (120) has been larger than the external load acquired by the load information acquiring unit (310), in switching the ring gear (110) from a stationary state to a rotating state.

IPC 8 full level
F03D 7/02 (2006.01)

CPC (source: CN EP US)
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